

2661  
2661

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kirk Johnson, James O'Toole, M. Frans Kaashoek and John Jannotti  
Application No.: 09/824,553 Group Art Unit: 2661  
Filed: April 2, 2001 Examiner: Not assigned  
Confirmation No.: 9887  
Title: METHOD AND APPARATUS FOR DETERMINING A NETWORK  
TOPOLOGY IN THE PRESENCE OF NETWORK ADDRESS TRANSLATION

CERTIFICATE OF MAILING OR TRANSMISSION	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or is being facsimile transmitted to the United States Patent and Trademark Office on:	
Oct 22, 2004	Elaine Leahy
Date	Signature
Elaine Leahy	
Typed or printed name of person signing certificate	

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.129(a), or  
(First/Second submission after Final Rejection)
- ☒ under 37 CFR 1.97(b), or  
(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).
- ☐ under 37 CFR 1.97(c) together with either:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, or
- ☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, and
- ☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)
- ☐ under 37 CFR 1.97(i):  
Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper.  
(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

☒ Enclosed herewith is form PTO-1449:

☒ Copies of the cited references are enclosed.

☐ Since this application was filed after June 30, 2003, copies of issued U.S. patents and published U.S. applications are not required and are not being provided.

☐ Copies of the cited references are enclosed except those entered in prior application, U.S. Application No. [ ], to which priority under 35 U.S.C. 120 is claimed. [The earlier application contains copies of the cited references.]

☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.

☐ The "concise explanation" requirement (non-English references) for reference(s) [ ] under 37 CFR 1.98(a)(3) is satisfied by:

☐ the explanation provided on the attached sheet.

☐ the explanation provided in the Specification.

☐ submission of the enclosed International Search Report.

☐ submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.

☐ the enclosed English language abstract.

☐ Applicant requests that the following non-published pending applications be considered:

Examiner's  
Initials

\_\_\_\_\_ U.S. Patent Application No. [    ], by [inventor(s)], filed [    ], Docket No.: [    ]

\_\_\_\_\_ U.S. Patent Application No. [    ], by [inventor(s)], filed [    ], Docket No.: [    ]

\_\_\_\_\_ U.S. Patent Application No. [    ], by [inventor(s)], filed [    ], Docket No.: [    ]

\_\_\_\_\_  
Examiner

\_\_\_\_\_  
Date

☐ A copy of each above-cited application, including the current claims, is enclosed.

☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [    ], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:

☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.

☐ Please charge Deposit Account 08-0380 in the amount of \$[    ]. A copy of this Statement is enclosed.

☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By



Mark B. Solomon

Registration No.: 44,348

Telephone: (978) 341-0036

Facsimile: (978) 341-0136

Concord, MA 01742-9133

Dated: 10/22/04

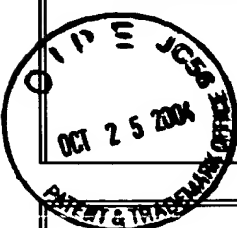
PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.  
2762.2002-002APPLICATION NO.  
09/824,553SUPPLEMENTAL INFORMATION DISCLOSURE  
CITATION  
IN AN APPLICATIONFIRST NAMED INVENTOR  
Kirk JohnsonFILING DATE  
April 2, 2001

OCTOBER 19, 2004

EXAMINER  
Not assignedCONFIRMATION NO.  
9887GROUP  
2661

(Use several sheets if necessary)



## U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
	AC	2001/0039585 A1	11/08/2001	Primak <i>et al.</i>
	AD	6,571,288 B1	05/27/2003	Sarukkai
	AE	6,134,588	10/17/2000	Guenthner <i>et al.</i>
	AF	6,078,960	06/20/2000	Ballard
	AG	6,539,426 B1	03/25/2003	Meek, <i>et al.</i>
	AH	5,870,562	02/09/1999	Butman <i>et al.</i>
	AI	6,035,055	03/07/2000	Wang <i>et al.</i>
	AJ	6,041,041	03/21/2000	Ramanathan <i>et al.</i>
	AK	6,081,840	06/27/2000	Zhao
	AA2	6,185,598 B1	02/06/2001	Farber <i>et al.</i>
	AB2	6,304,913 B1	10/16/2001	Rune
	AC2	6,338,092 B1	01/08/2002	Chao <i>et al.</i>
	AD2	6,505,254 B1	01/07/2003	Johnson <i>et al.</i>
	AE2	6,581,065 B1	06/17/2003	Rodkin <i>et al.</i>
	AF2	2002/0065938 A1	05/30/2002	Jungck <i>et al.</i>
	AG2	2002/0186694 A1	12/12/2002	Mahajan <i>et al.</i>
	AH2	2003/0041094 A1	02/27/2003	Lara <i>et al.</i>
	AI2	6,553,413 B1	04/22/2003	Leighton <i>et al.</i>
	AJ2	6,553,420 B1	04/22/2003	Karger <i>et al.</i>
	AK2	6,185,619 B1	02/06/2001	Joffe <i>et al.</i>
	AA3			
	AB3			
	AC3			

EXAMINER

DATE CONSIDERED

PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.  
2762.2002-002APPLICATION NO.  
09/824,553SUPPLEMENTAL INFORMATION DISCLOSURE  
CITATION  
IN AN APPLICATIONFIRST NAMED INVENTOR  
Kirk JohnsonFILING DATE  
April 2, 2001

OCTOBER 19, 2004

EXAMINER  
Not assignedCONFIRMATION NO.  
9887GROUP  
2661

(Use several sheets if necessary)

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSLATION	
					YES	NO
	AL	WO 99/40514	08/12/1999	Farber et al.		
	AM					
	AN					
	AO					
	AP					
	AQ					
	AL2					
	AM2					
	AN2					
	AO2					
	AP2					
	AQ2					
	AL3					
	AM3					
	AN3					
	AO3					
	AP3					
	AQ3					
	AL4					
	AM4					
	AN4					
	AO4					
	AP4					
	AQ4					

EXAMINER

DATE CONSIDERED

PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.  
2762.2002-002APPLICATION NO.  
09/824,553SUPPLEMENTAL INFORMATION DISCLOSURE  
CITATION  
IN AN APPLICATION

OCTOBER 19, 2004

(Use several sheets if necessary)

FIRST NAMED INVENTOR  
Kirk JohnsonFILING DATE  
April 2, 2001EXAMINER  
Not assignedCONFIRMATION NO.  
9887GROUP  
2661

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Amir, Yair <i>et al.</i> , "Seamlessly selecting the best copy from Internet-wide replicated web servers" <i>The 12<sup>th</sup> International Symposium on Distributed Computing</i> , (DISC'98), 22-23, September 1998.
AS	Amir and Shaw, "WALRUS- a Low Latency, High Throughput Web Service Using Internet-wide Replication," In Proceedings of the 19 <sup>th</sup> IEEE Workshop on Electronic Commerce and Web-Based Applications, pp. 31-40, Austin, May 1999, <a href="http://www.cnds.jhu.edu/publications/">http://www.cnds.jhu.edu/publications/</a> 5/16/02.
AT	Bakker, A., <i>et al.</i> "The Globe Distribution Network," <i>Proc. 2000 USENIX Annual Conf. (FREENIX Track)</i> , San Diego, pp. 141-152, June 18-23, 2000, <a href="http://www.cs.vu.nl/globe/publications.html">http://www.cs.vu.nl/globe/publications.html</a> 5/16/02.
AU	Carter, R.L. and Crovella, M.E., "Dynamic Server Selection using Bandwidth Probing in Wide-Area Networks," BU-CS-96-007, March 18, 1996, <a href="http://citeseer.nj.nec.com/carter96dynamic.html">http://citeseer.nj.nec.com/carter96dynamic.html</a> 5/16/02.
AV	Francis, Paul. "VOID: Extending the Internet Multicast Architecture," [online] <a href="http://www.icir.org/yoid/docs/ycHtmlL/htmlRoot.html">http://www.icir.org/yoid/docs/ycHtmlL/htmlRoot.html</a> 5/21/02.
AW	Guyton, James D. and Schwartz, Michael F., "Locating Nearby Copies of Replicated Internet Servers" <i>Computer Communications Review</i> 25(4): 288-98 (1995).
AX	Karger, D.R. <i>et al.</i> , "Consistent hashing and random trees: Distributed caching protocols for relieving hot spots on the world wide web" <i>Proc. 29<sup>th</sup> ACM Symposium on Theory of Computing</i> , 654-662, May 1997.
AY	Leach, Paul J., "Selecting a server from among many replicas," Internet Draft, [online] ASID working group, 2/23/1997, <a href="http://www.watersprings.org/pub/id/draft-ietf-asid-replica-selection-00.txt">http://www.watersprings.org/pub/id/draft-ietf-asid-replica-selection-00.txt</a> 5/21/02.
AZ	Sayal, M., <i>et al.</i> Selection Algorithms for Replicated Web Servers, [online] <a href="http://www.cs.wisc.edu/~cao/WISP98/html-versions/mehmet/SelectWeb1.html">www.cs.wisc.edu/~cao/WISP98/html-versions/mehmet/SelectWeb1.html</a> 5/16/02.
AR2	
AS2	
AT2	
AU2	

EXAMINER

DATE CONSIDERED